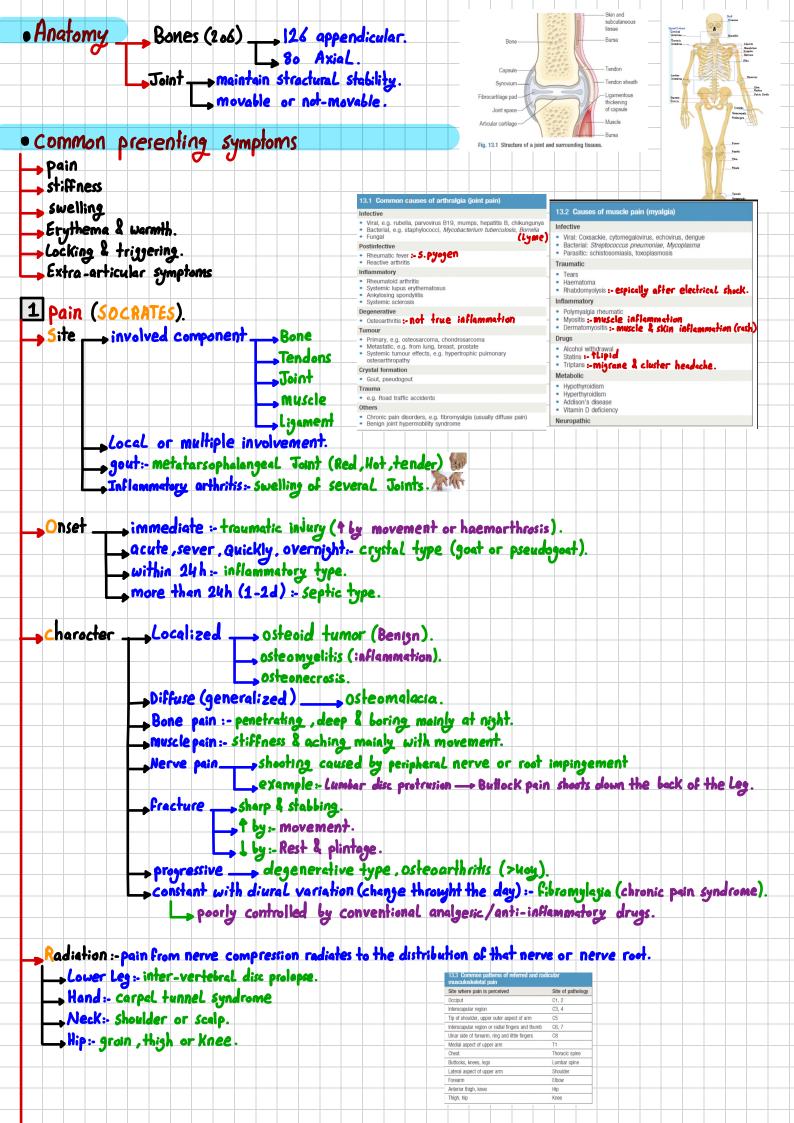
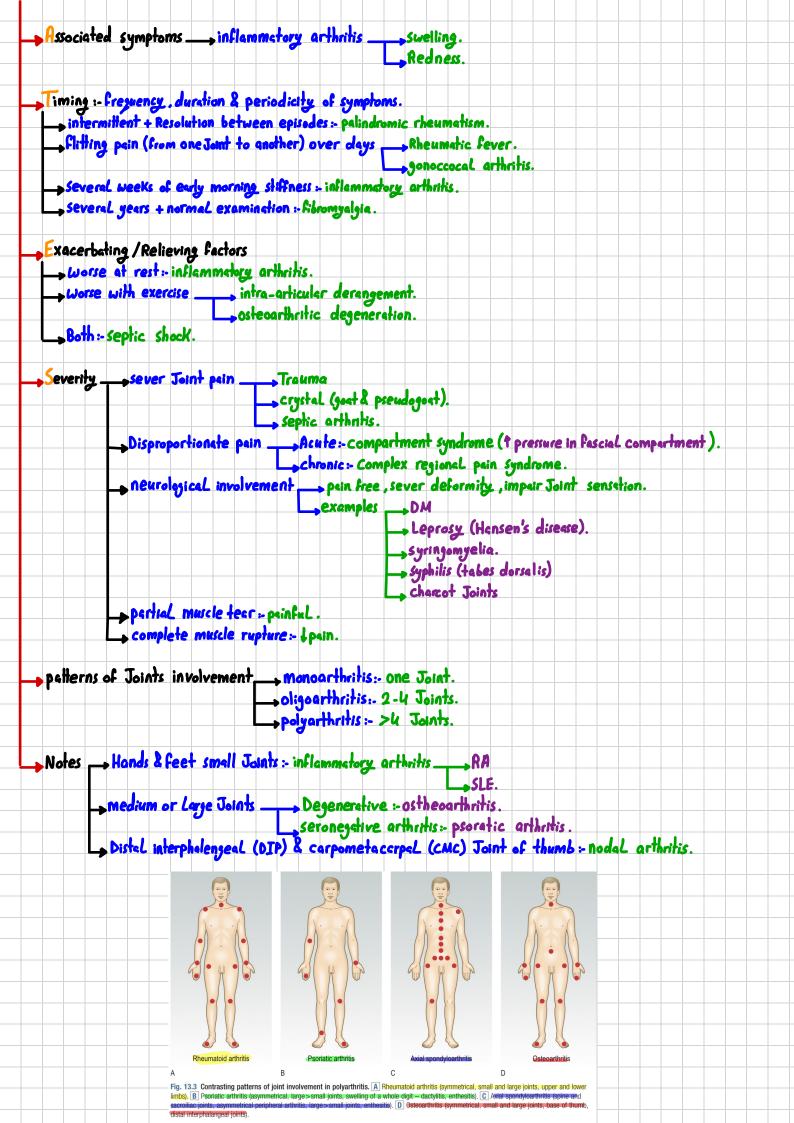
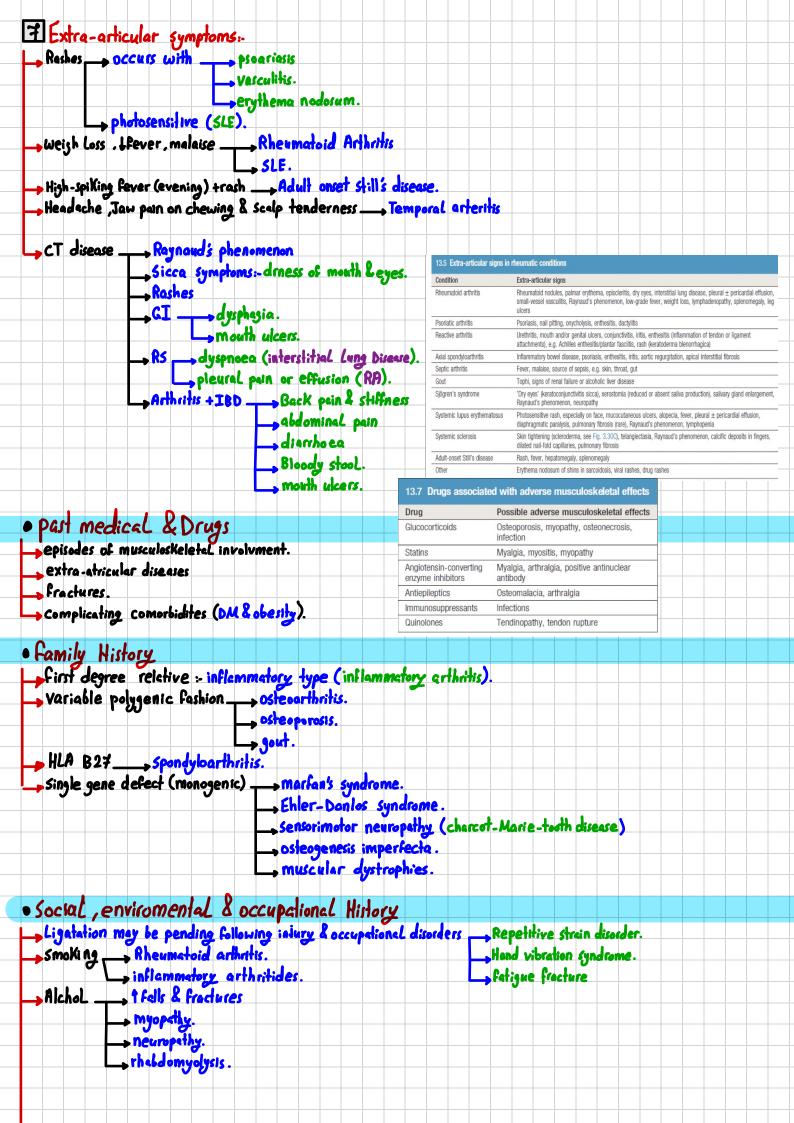
Made by : mahmoud alhalawani

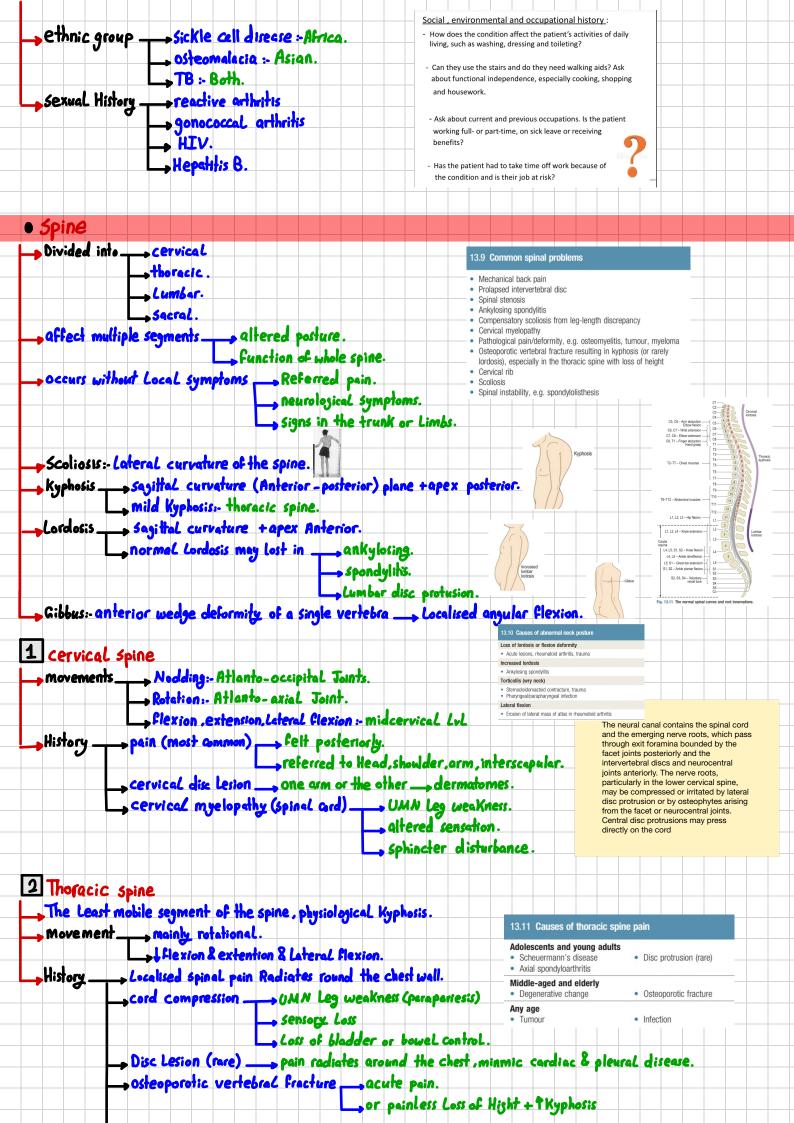
## MSS



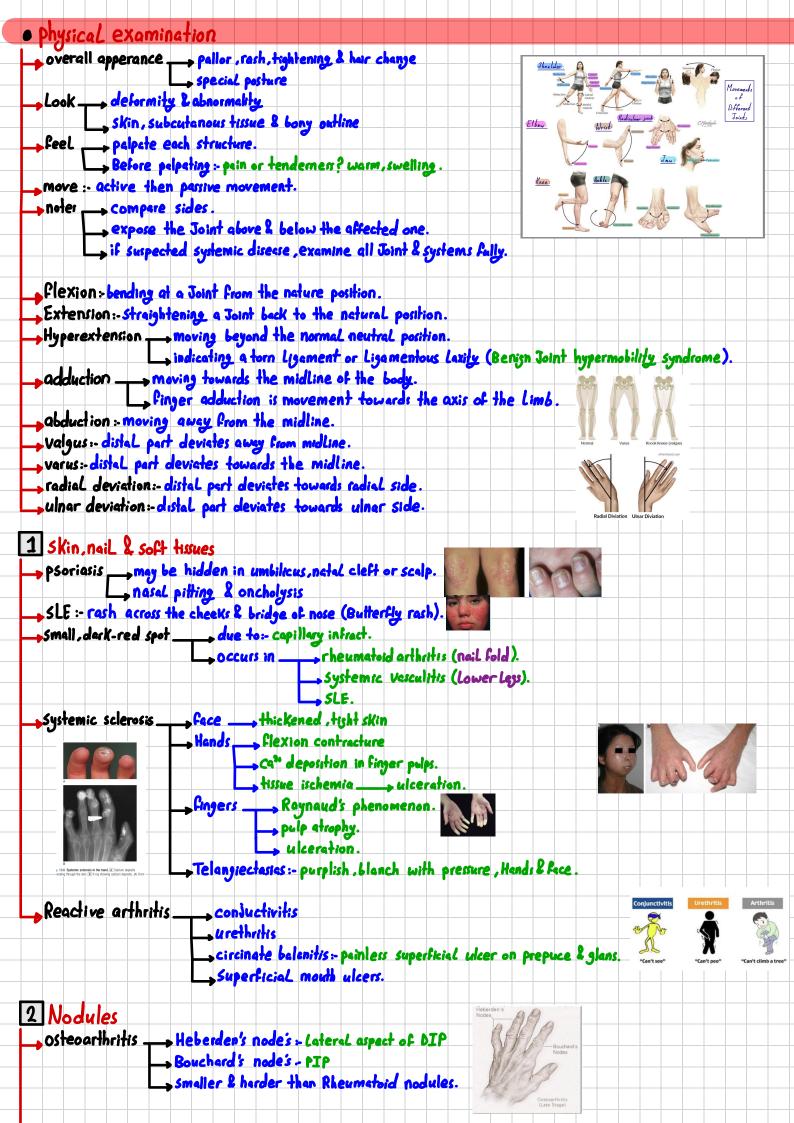


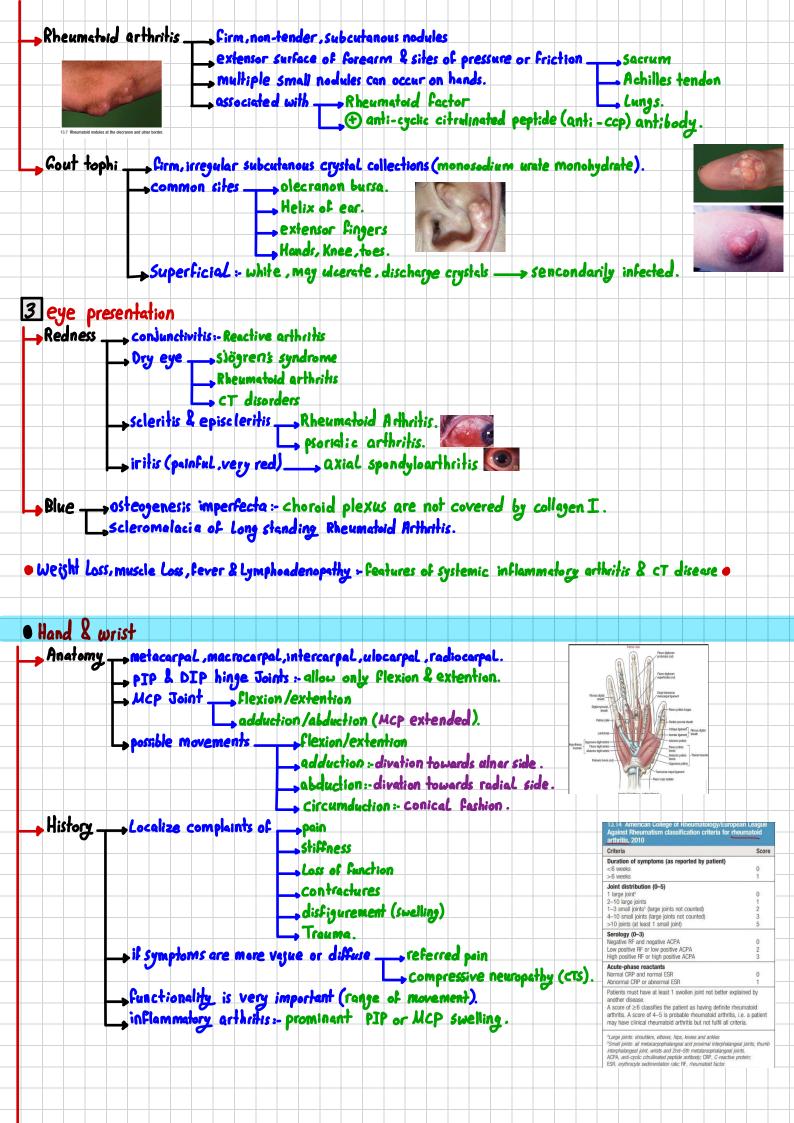
2 Stiffness			
Q Restricted range of	worement i		
Difficulty moving, b	ut with a normal range?		
• I I I I I I I I I I I I I I I I I I I	rlicular Joint or more generali	- 419	
Localized to a pa	micular boint of more generally	<b>260</b> 1	
inflammatory type :- early mo	rning stiffness for 30min whic	h wears off with activity.	
mechanical (non-inflammatory	) - stiffness after cest that ear	es capidly on movement.	
polymyalasia Theumatica: mai			
Disease of soft tissues, rather	than the Joint itself may cause	Stiffness.	
3 Swelling Site			
→ V → Sine			
extent extent			
time course.			
onset.			
	phrase manufacture	(0 -mg /)\	
Rapid over 30 min: Hoema	Versions — Versional Structu	TES ( DONE , LIGHTENT ) QIE INUI	<b>36.</b> •
	worse with an	ticoagulants or bleeding.	
over few hours (marked): sep	tic Join pain		
	marked swelling		
	tenderness		
	Redness		
		11 - 1 -	
	extreme reluctant	e to move the Joint active	y or passively.
over hours to days trau	matic effusionmeniscu	s tear	
over hours to days: trau	matic effusion meniscu	s tear inous (articular cartilage al	orasion).
	L Cartiles	inous (articular cartilage al	presion).
crystal arthritisstart over	night (tserum-urate following	inous (articular cartilage al	orasion).  dy morning.
	night (tserum-urate following	inous (articular cartilage al	orasion).  dy marning.
crystal arthritis, start over corticosteroids & NSAID	night (tserum-urate following	inous (articular cartilage al	orasion).  dy morning.
crystal arthritis, start over corticosteroids & NSAID	night (tserum-urate following	inous (articular cartilage al	oresion).  Ty merning.
crystal arthritis, start over corticosteroids & NSAID	night (tserum-urate following modify these features.	inous (articular cartilage al	orasion).  dy marning.
crystal arthritis, start over, corticosteroids & NSAID  4 Erythema & warmth, occurs in: almost in all type:	modify these features.  of arthrilisinfective	inous (articular cartilage al	orasion).  dy morning.
crystal arthritis, start over corticosteroids & NSAID	modify these features.  of arthritis infective traumatic	inous (articular cartilage al	dy morning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth, occurs in: almost in all type:  all effected Joint will	modify these features.  of arthritisinfectivetraumaticcrystal.inc	inous (articular cartilage al	presion).  dy merning.
crystal arthritis, start over corticosteroids & NSAID  4 Erythema & warmth occurs in: almost in all type:  all effected Joint will a mild: inflammatory arthritis	modify these features.  of arthritis infective traumatic crystal-inc	inous (articular cartilage al	orasion).  dy merning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth, occurs in: almost in all type, all effected Joint will, mild: inflammatory arthritis, erythema + DIP swelling	modify these features.  of arthritis infective traumatic crystal-inc	inous (articular cartilage al evening meal) & on ea	presion).  The morning and the second
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth, occurs in: almost in all type, all effected Joint will, mild: inflammatory arthritis, erythema + DIP swelling	modify these features.  of arthritis infective traumatic crystal-inc	inous (articular cartilage al evening meal) & on ea	resion). dy morning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth, occurs in: almost in all type, all effected Joint will, mild: inflammatory arthritis, erythema + DIP swelling	modify these features.  of arthritis infective traumatic crystal-inc	inous (articular cartilage al evening meal) & on ea	prasion).  dy merning.
crystal arthritis, start over corticosteroids & NSAID  4 Erythema & warmth occurs in: almost in all type:  all effected Joint will a mild: inflammatory arthritis erythema + DIP swelling	modify these features.  of arthritis infective traumatic crystal in as in the control of the contr	inous (articular cartilage al evening meal) & on ea	resion).  Ty morning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling	night (tserum-urate following modify these features.  s of arthritis infective traumatic crystal-incompanies arthritis not Heberden's node in as lised.	luced	resion).  dy morning.
crystal arthritis, start over corticosteroids & NSAID  4 Erythema & warmth occurs in: almost in all type:  all effected Joint will a mild: inflammatory arthritis erythema + DIP swelling	night (tserum-urate following modify these features.  s of arthritis infective traumatic crystal-incompanies arthritis not Heberden's node in as lised.	luced	presion).  dy merning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth, occurs in: almost in all type:  all effected Joint will of the properties of the prop	night (tserum-urate following modify these features.  of arthritis infective traumatic crystal incompositic arthritis node in as alised.  n) or structure disruption or in	luced	presion).  The morning and the second
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  perythema + DIP swelling  B weakness: Focal or general  Joint disorder: pain (Ifunction of the person of t	night (tserum urate following modify these features.  s of arthritis infective traumatic crystal incommendation arthritis in the berden's node in as lised.  n) or structure discuption or in (eg:- cTs at wrist).	luced  supporting Structure.	dy marning.
Corticosteroids & NSAID  U Erythema & warmth  Coccurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  Soint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread	night (tserum-urate following modify these features.  of arthritis infective traumatic crystal in crystal in as not Heberden's node in as lised.  n) or structure disruption or in (eg:- cts at wrist).  with pain & fatigue	luced  supporting Structure.	dy marning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  perythema + DIP swelling  B weakness: Focal or general  Joint disorder: pain (Ifunction of the person of t	psoriatic arthritis  not Heberden's node in as lised.  not restructure disruption or i (eg:- cTs at wrist).  with pain & fatigue	evening meal) & on eaching meal) & on eaching meal) & on eaching structure.  The supporting structure.  The supporting structure of the supporting structure.	dy marning.
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crystal arthritis, start over corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: focal or general  Joint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders, su	psoriatic arthritis  not Heberden's node in as lised.  not restructure disruption or i (eg:- cTs at wrist).  with pain & fatigue	evening meal) & on eaching meal) & on eaching meal) & on eaching structure.  The supporting structure.  The supporting structure of the supporting structure.	dy marning.
crystal arthritis, start over corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: focal or general  Joint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders, su	night (tserum-urate following modify these features.  s of arthritis infective traumatic crystal-incompositic arthritis crystal-incomposition or incomposition or incomposition or incomposition as the point & fatigue recease of glucocor excess of glucocor excess of glucocor excess of glucocor excess of glucocor recease of glucocor excess of glucocor	evening meal) & on eaching meal) & on eaching meal) & on eaching structure.  It's supporting structure.	dy marning.
Corticosteroids & NSAID  U Erythema & warmth  Coccurs in: almost in all type  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  Soint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders  pr	night (tserum-urate following modify these features.  s of arthritis infective traumatic crystal-incompositic arthritis crystal-incomposition or incomposition or incomposition or incomposition as the point & fatigue recease of glucocor excess of glucocor excess of glucocor excess of glucocor excess of glucocor recease of glucocor excess of glucocor	evening meal) & on eaching meal) & on eaching meal) & on eaching structure.  It's supporting structure.	dy marning.
crystal arthritis, start over, corticosteroids & NSAID  U Erythema & warmth  occurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: focal or general  Nerve disorder: pain (Ifunction of the property of the	night (tserum urate following modify these features.  s of arthritis infective traumatic crystal incommendation arthritis in the berden's node in as lised.  n) or structure disruption or in (eg:- cts at wrist).  with pain & fatigue	inous (articular cartilage all eveluing meal) & an each eveluing meal) & an each eveluing structure.  It's supporting structure.  It's supporting structure.  It's supporting structure.	dy marning.
Corticosteroids & NSAID  U Erythema & warmth  Cocurs in: almost in all type  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: focal or general  Joint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders  su  Locking & triggering  True Locking: incomplete range	night (tserum-urate following modify these features.  s of arthritis infective traumatic crystal-incompositic arthritis in not Heberden's node in as lised.  n) or structure disruption or i (eg:- cTs at wrist).  with pain & fatigue	inous (articular cartilage al eveluing meal) & an each laced supporting structure.  Nyositis or dermatomyositicoids.	dy marning.
corticosteroids & NSAID  4 Erythema & warmth  cocurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  Sweakness: Focal or general  Nerve disorder: pain (ifunction  Nerve disorder: widespread  endocrine disorders  su  brue Locking: incomplete rang  pseudo-Locking: incomplete	night (tserum urate following modify these features.  of arthritis infective traumatic crystal incommendation arthritis not Heberden's node in as lised.  n) or structure disruption or i (eg:- cts at wrist).  with pain & fatigue	eveining meal) & on eaching meal) & on eaching meal) & on eaching structure.  Its supporting structure.  Its or dermatomyositations of the condition of the con	dy marning.
corticosteroids & NSAID  4 Erythema & warmth  cocurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  Sweakness: Focal or general  Nerve disorder: pain (ifunction  Nerve disorder: widespread  endocrine disorders  su  brue Locking: incomplete rang  pseudo-Locking: incomplete	night (tserum urate following modify these features.  of arthritis infective traumatic crystal incommendation arthritis not Heberden's node in as lised.  n) or structure disruption or i (eg:- cts at wrist).  with pain & fatigue	eveining meal) & on eaching meal) & on eaching meal) & on eaching structure.  Its supporting structure.  Its or dermatomyositations of the condition of the con	dy marning.
Corticosteroids & NSAID  U Erythema & warmth  Cocurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: Focal or general  Joint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders  Frue Locking: incomplete rang  pseudo-Locking: incomplete  Triggering  Block to extended	night (tserum-urate following modify these features.  s of arthritis infective traumatic traumatic arthritis in not Heberden's node in as lised.  n) or structure discuption or i (eg:-cTs at wrist).  with pain & fatigue	inous (articular cartilage al eveining meal) & an each laced  every meal) & an each laced  every meal) & supporting structure.  hyositis or dermatomy ost ticoids.  (anatomical) causes.	dy marning.
corticosteroids & NSAID  4 Erythema & warmth  cocurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  Sweakness: Focal or general  Nerve disorder: pain (ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders  su  Frue Locking: incomplete rang  pseudo-Locking: incomplete  Triggering  Block to extendables.	modify these features.  of arthritis infective traumatic traumatic arthritis not Heberden's node in as lised.  not Heberden's node in as less that the pain & fatigue to pain.  excess of glucocorreximal muscle weakness.  excess of motion due to pain.  ension of finger which gives so or middle finger nodular	inous (articular cartilage al eveining meal) & an each luced  luced  supporting structure.  Nyositis or dermatomyositicoids.  (anatomical) causes.  uddenly forced extension.  tendon thickening.	dy marning.
Corticosteroids & NSAID  U Erythema & warmth  Cocurs in: almost in all type:  all effected Joint will  mild: inflammatory arthritis  erythema + DIP swelling  B weakness: Focal or general  Joint disorder: pain (Ifunction  Nerve disorder: entrapment  Muscle disorder: widespread  endocrine disorders  Frue Locking: incomplete rang  pseudo-Locking: incomplete  Triggering  Block to extended	night (tserum urate following modify these features.  s of arthritis infective traumatic crystal inc.  psociatic arthritis in as not Heberden's node in as lised.  n) or structure disruption or i (eg: cTs at wrist).  with pain & fatigue receive weakness.  e of motion from mechanical range of motion due to pain.  ension of finger which gives so or middle finger nodular thumb.	inous (articular cartilage al eveining meal) & an each laced supporting structure.  Ayositis or dermatomyositicoids.  (anatomical) causes.  uddenly forced extension tendon thickening.  hickening of flexor sheath (anatomyositicological)	dy marning.



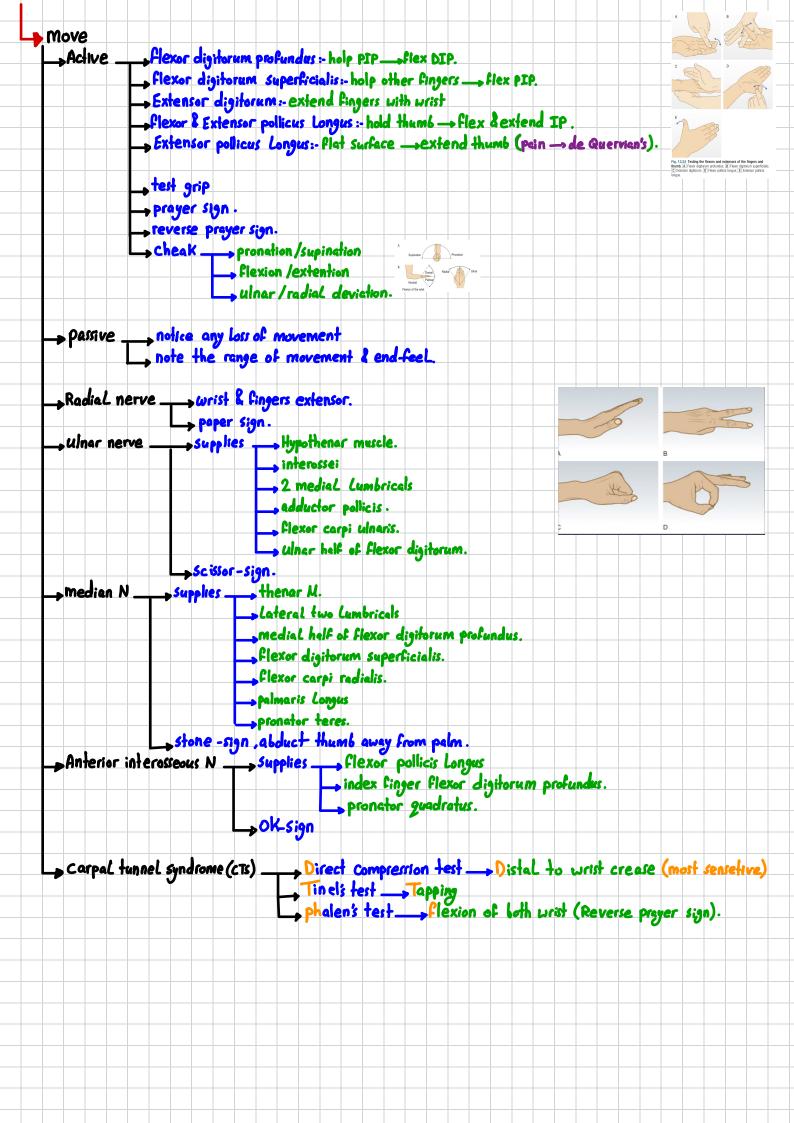


verteb	ral collapse: cord compression by malignancy.		
infection	n:- acute pain + Systemic upset or fever.		
L. poorly (	ocalised thoracic pain :- intrathoracic causes, MI		
		or pleural pain	1
	aortic aneur		
3 Lumbar supine			
	processes of Lu/Ls are LuL with pelvic brim.	Mechanical	Unremitting pain
	mples of venus overlie the secrolliac Joints.	Inflammatory	Intermittent pain
The sp	inal cord ends at the L2 Lul.	Acute pain: young, elderly,	· Claudication
movementsfle	tion , extention, Lateral flexion, rotation.	constitutional symptoms	Emergencies
fle	ion:- upper segments move firstsmooth Lumbar curve.	symptoms	
Rigi	d Lumber spine: pt. may be able to touch their toes if their	hip are mobil	le
	ow back pain mechanical (most common).		
	caused by degenerative changes in dis	z	
	facet Joint (Spondylosis).		
	Q occupational or recreational activity	13.12 'Red flag' and	'yellow flag' features for
	Red Flag Festures ?	'Red flag' features Features that may indica	ate serious pathology and require urgent
	prior treatment with gluccocorticoids?	History  Age < 20 years or > 5  Recent significant train	55 years • Faecal incontinence uma • Motor weakness
		(fracture) Pain: Thoracic (dissectin	<ul> <li>Sensory changes in the perineum (saddle anaesthes</li> <li>Sexual dysfunction, e.g. erectile/eiaculatory failure</li> </ul>
	ladical pain caused by sciatica.	Non-mechanical (ir turnour/pathological fracture)	nfection/ • Gait change (cauda equina
	uttock pain axial spondyloarthritis.	Fever (infection)     Difficulty in micturition     Part medical history     Cancer (metastages)	n
	Groin pain: +abs of Hip abnormality Reffered pain from Li	Previous glucocorticoi     System review     Weight loss/malaise v	id use (osteoporotic collapse) without obvious cause, e.g. cancer
	consider abdominal & retroperitoneal pathology:- AAA	'Yellow flag' features Psychosocial factors ass chronicity and disability	ociated with greater likelihood of long-term
		syndrome, chronic fat A belief that the diagr lead to 'catastrophisa'	repression, carlottic part, irritable bower ligue, social withdrawal nosis is severe, e.g. cancer. Faulty beliefs ca ation' and avoidance of activity
_mechanical_	- After standing too long or sitting poor position.		e patient can improve leads to an expectation her than active, treatment will be effective compensation claims, e.g. work, road traffic
	worse at end of the day & improve on Resting, Rising up on	morning.	
	-Acute disc prolapse (slipped disc) - acute , young age , t by c	oughing 8 strain	ning.
	Ostesporatic Fracture:		
	middle age & elderly, comorbidites, thy movement, Locali	zed by Lyin	, Risk as
	glucocorticold, +neurological symptoms.		
	Degenerative disc:		
	chronic, intermittent, +stiffness (morning) <30 min, + by gen	tle activity but	t recur with
	excessive activity.		
	_Lumbosacral canal stenosis:-		
	diffuse pain in buttocks & thishs (standing & walking) with numb	ness . I by rest &	Spinal Hexian
	T Ly spinal extention.		
non-mechanical	inflammatory:-		
	insidious onset, tat morning, I with movement, stiffness	Lest 30 min after	or activity . Lase
	example (axial spondyloarthritis), Buttock ache		
	infection :- acute , progressive , not related to activity , +	constitutional	sumatoms
	Sever: + malaise	Constitutionae	-59mp.rom.s
	tweight, night sweet: Progenic or tuberculous.		
	painful flexed Hip or groin Swelling: psoas muscle sheat		
	malignancy:- insidious, unremitting pain, weight Loss.s		
caud-equina	- central prolapse or space-occupying Lesion compress the c		
	disturbances motor: paraplegia	Auga Cyuna. (I	icalosal jicat emer
	Sensory: parianal sensation		
	Bladder Function.		

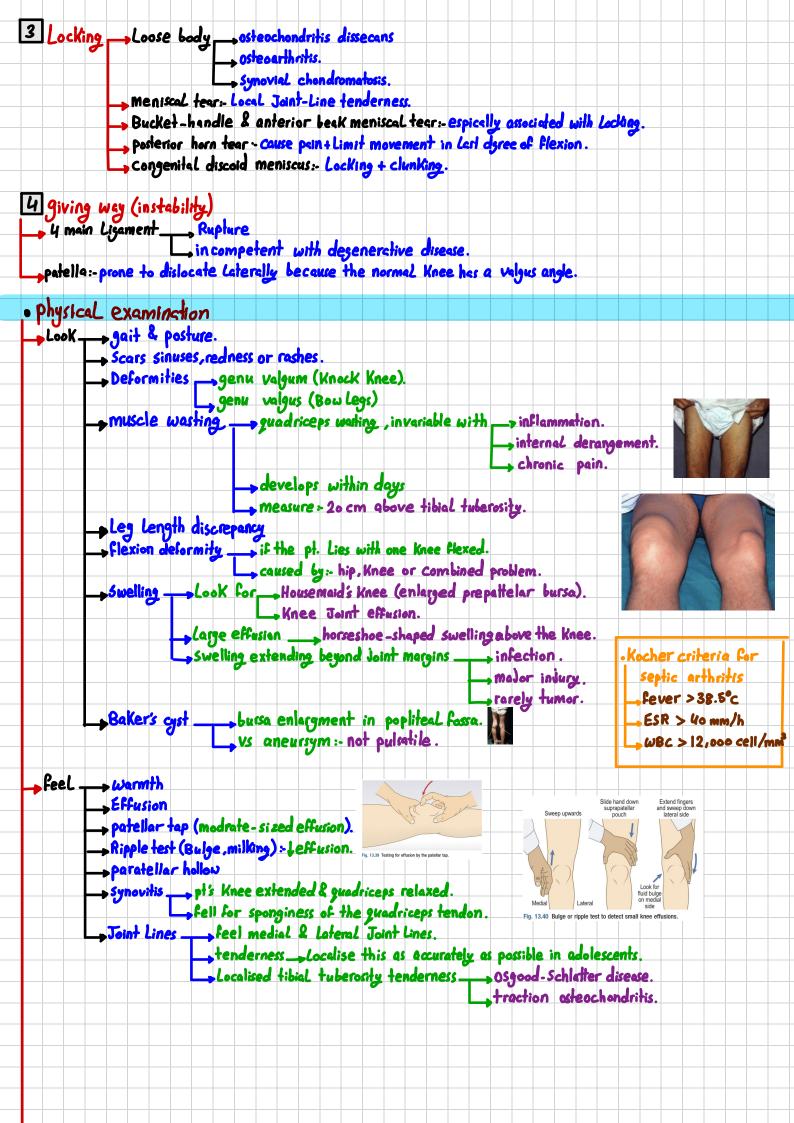




Look _	Colour changes	Erthema: acute inflammatogy, by soft-tissue infection
		Septic arthritis
		tendon sheath infection
		Crystal arthritis.
		palmar Erythema:- Rheumatoid arthritis.
	<del></del>	Patrial ctylinemas- Kneumaiola utimitis.
	e 11 14 1	
	-Swelling - MCP due	to synovitis Linter Kuckle indentation on dorsum (Lof normal hill-valley-h
	L Spindling	(tapering praximally & distally) PIP affected.
_	-Deformity pholon	geal fracture: Rotation (MCP & IP Flexed -> cross & don't point to scaphoid tuberc
	Hrach	nodactyly (Long Fingers):- Markan's syndrome
		nnière (Buttonhook):-fixed Clexion PIP + DIP hyperextention.
		neck: hyperextenion of PIP + DIP flexion.
	mallet	finger DIP flexion that is passively correctable.
		caused by trauma disrupting terminal extensor expantion at the
		of distal phalanx + bony avulsion.
	vasculitis of the finger	
	ulner deviation.	
		Subluxation & ulner divetion at MCP
		Anterior (volar) displacement (partial dislocation) of wrist.
	-> OSTEGATTHEINS	ny expention of DIP, PIP of fingers & CMC Joint of thumb.
-	- Extra - articular signs -	Dupuytren's contracture : effect palmar fascia - Fixed fixation of MCP & PIF
		wasting muscle, interossei in inflammatory arthritis & ulnur nerve palsy.
		then ar eminence in cTs.
		Small Hand muscles by Ti nerve root Lesion.
		Nail psociatic artheitis pitting
		L. onycholysis
		nail-fold infract.
		telangiectasia.
		Psorasis
		Scars on CTS.
		tendon transfer.
		MCP Joint replacement.
		TOTAL DOMESTICAL CONTRACTOR OF THE PROPERTY OF
_ fpel	Temperature	
-feeL _	Temperature	
FeeL _	Tendemess :- palpate f	lexor tendon sheeth.
feeL _	Tenderness:- palpate f Hard Swelling (Bony):-	lexor tendon sheeth.  Heberden's & bouchard's nodes of OA.
feeL	Tendemess :- palpate f Hard swelling (Bony):- Sponginess Soft	Plexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.
feeL _	Tendemess: palpate f  Hard swelling (Bony):  Sponginess Soft:  palpate	lexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.
feeL _	Tendemess: palpate f  Hard Swelling (Bony):  Sponginess Soft:  palpate	Plexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.
feeL _	Tenderness: palpate f  Hard swelling (Bony):  Sponginess — Soft;  palpa:  Trigger fingers	Plexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.  ze MCP.
FeeL	Tendemess:- palpate f  Hard swelling (Bony):-  Sponginess - Soft:  palpate f  palpate f	Plexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.  ze MCP.  Finkelestein test.
feeL _	Tendemess:- palpate f  Hard swelling (Bony):-  Sponginess - Soft:  palpa:  Trigger fingers  De Quervain's tenosyr  creptius	lexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.  ze MCP.  Finkelestein test.  Causes Swelling
feeL _	Tendemess:- palpate f  Hard swelling (Bony):-  Sponginess - Soft:  palpate f  palpate f	lexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.  ze MCP.  Finkelestein test.  Causes Swelling
FeeL _	Tendemess:- palpate f  Hard swelling (Bony):-  Sponginess - Soft:  palpa:  Trigger fingers  De Quervain's tenosyr  creptius	lexor tendon sheeth.  Heberden's & bouchard's nodes of OA.  Swelling.  le above & below IP Joint.  ze MCP.  Finkelestein test.  Causes Swelling
feel _	Tendemess:- palpate f Hard swelling (Bony):- Sponginess - Soft: palpa: Squee Trigger fingers De Quervain's tenosyr creptius most ammonly	Plexor tendon sheath.  Heberden's & bouchard's nodes of OA.  Swelling.  Le above & below IP Joint:  Ze MCP.  Finkelestein test.  Causes — Swelling  tenderness  crepitus (creaking sensation, may be audible).
FeeL _	Tendemess:- palpate f  Hard swelling (Bony):-  Sponginess - Soft:  palpa:  Squee  Trigger fingers  De Quervain's tenosyr  creptius  Of movement of race	lexor tendon sheath.  Heberden's & bouchard's nodes of CA.  Swelling.  Le above & below IP Joint.  Ze MCP.  Finkelestein test.  Causes — Swelling  tenderness  crepitus (creaking sensation, may be audible).  I scapaid — in — tendor sheaths of abductor pollicus Longus



• Knee	Toint
Λl	
Anatomy	
Hinge Jo	nt +tibiofemoral & patellofemoral components.
	Synovial capsule: - Suprapattelar pouch -> 5cm above patella.
	Largely subcutanous allowing easy pelpation on patella
	Stability depends on muscles tibial tuberosity
	Ligaments. patellar tendon
	tibial plateau margin
	femoral condyles.
Cylonia	apparatus parts quadriceps M.
LAIGHIO	
	Juadrices tendon
	patella.
	-, patellar tendon.
	tibial tuberosity.
	disruption prevents straight-Leg raising
	Extensor Log Key G Bursa under the medial head 1 Extensions of synovial shealth 7 Posterior ligament
	The hamstring M: flex the knee.    Continue to the transfer of
	M Media fiboletino di articulation di Lupie piere y piema 9 Currie-cutori o articuli filini M Media fiboletino di articulation 3 Lateral ligament 10 Unattached margin of meniscus PP Pengatellar bursa 4 Media ligament 10 Unattached margin of meniscus SM Semimentranosus bursa 5 Antorior cruciate ligament
Stability	SP Surrangellar pouch (or bursa) 6 Posterior cruciate ligament
Jiaomij	
	LcL: resist varus    Anterior cruciate ligament   Igament   Igamen
	Ach > prevent Anterior Subluxation of the this on temur.    Characteristics   Charac
	PSL: resist posterior translation.
	Medial & Lateral menisci Crescentic fibrocartilangious structures Grescentic fibrocartilangious structures
	Lie btw tibial plateaux & femoral condules.
	Patellar Knee Joint Anatomy ligament
Bursae	Anteriorly suprapatellar
	prepatellar:- Blu patella & overlying skin.
	infrapatellar: - Hw skin & tibial tuberosity/patellar Ligament.
	posteriorly:- several bursae in politeal fossa.
	- Policilory - Several Darsac In Policed Possa.
History	13.18 Bone conditions associated with pathological fracture
11131019	Osteoporosis     Osteomalacia     Parathyroid bone disease
1	Primary or secondary tumour     Paget's disease
1 Pain —	generalised knee pain: pathology in tibiotemoral Joint
	Anterior Knee pain after prolonged sitting or going downstains
	patellofemoral Joint pathology.
	medial or Lateral pain - collateral Ligaments
	meniscal tears
	pain from Knee may be referred from the hip.
	pain riory kież inky dz ierzited riory inż inż.
2	
	normal: volume of synovial flied 1-2 ml.
	errasion: Infra -afficator principal.
	Haemarthrosis Bleeding into the Knee.
	intra -articular Fracture.
	Menisciavascular (no heamarthrosis).
	unless torn at their periphery.
	Conjuction with other internal derangement.



Special test Collatera . Ach: Ant Pch: post Mch: Media	passive _  Straight  al Ligamer  cruciate Lig.  cruciate Lig.  al collateral.	Ran Hall ext	nge of a sensor mally ruction of selfe.	f moves  I move  I mov	e can	nes:- ninal n ex- exter  Senu on :- Lcl :- Mc :- Mc of Ja	tenantion tenantion tes de	difficult post	emura emura os inl vatura terior unction terior unction terior	epitu enisc teoa flamm horr onali ed l	ia are all tendery ap to men	extended	long	egre	lacta itis.  e is	nor lus.	nmen mal.		
Special test Collatera  Ach: Ant. Pch: post. Lch: Media Lch: Later	Straight  al Ligame  craciate Lig.  cruciate Lig.  al collateral.	Nor rest	ensor  mally  ruction  erext  ck of  se te	tage  Lage	nt Livexande cande	nes:- ninal n ex- exter  Senu on :- Lcl :- Mc :- Mc of Ja	tenantion tenantion tes de	difficult post	emura emura os inl vatura terior unction terior unction terior	epitu enisc teoa flamm horr onali ed l	ia are all tendery ap to men	extended	long	egre	lacta itis.  e is	nor lus.	nmen mal.		
Special test Collatera  Acl: Ant. PCL: Post. LCL: Latera	Straight  al Ligame  craciate Lig.  cruciate Lig.  al collateral.	hype Block	ensor  mally  ruction  erex  ck of  se te  varus  vagus  major  30° to	tention  fall f  st (st)  al  al  al  apen  assess	e can	enucester  Senucester  Senuces	tenention re tes de	d,fi	emars  os  inl  vatur  terior  unction  fs fix  Pcl  y.  collel	R fibenischena flamm m):-u harr malited	ia are cal tec refrith rith rith rith rith rith rith rith	os in ars. is. art -1. isci ext	Long hritis o d tear enso eform	egre	e is	nor lus.	nmen mal.		
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Special test Collatera  Ach: Ant. Poch: Post. Uch: Media Lock: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	Log Rais	ck of se te. vagus mejor 30° to	st (st.	lexice  R) _  loo: loo: loo: ming	:- Lel :- Lel :- Ma :- Ma of Ja	tes de LocL, I	cur par t f lec cl., nly Acl	inly vature terior unction fix fix PCLPCL	horr bonali ed	natory up to men ty of flexion  R cru	extendo	enso efern	egre	Para l	de la			
Special test Collatera  . Ach:: Ant.: . Pch:: Post. ( . Uch:: Media . Lch:: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	Log Rais	ck of se te. vagus mejor 30° to	st (st.	lexice  R) _  loo: loo: loo: ming	:- Lel :- Lel :- Ma :- Ma of Ja	tes de LocL, I	position for the position of t	vaturation unction ts fix PCL y.	horr	ap to men	extended	enso efern	egre	Para l	de la			
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Special test Collatera  Ach: Ant. PCL: Post. Uch: Media Lch: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	Log Rais	ck of se te. vagus mejor 30° to	st (st.	lexice  R) _  loo: loo: loo: ming	:- Lel :- Lel :- Ma :- Ma of Ja	tes de LocL, I	position for the position of t	terior unction ts fix PCL -,PCL	horr onalized	y of flexion	extended for the state of the s	enso eform	applity.	Para l	de la			
Special test Collatera  Ach: Ant. PCL: Post. Uch: Media Lch: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	Log Rais	varus vagus major 30° to	st (st)	R)	:- Lal :- Ma :- Ma :- Ma :- Ma	tes de: 	t fiec	enction ts fix  Pal Pal	onali red i	ly of flexion	extended and the second and the seco	enso eform	applications of the longer	nee. A Coluterz	al Igaments. 8	B Ocuciate Spaments.		
Special test Collatera  Ach: Ant. PCL: Post. Uch: Media Lch: Later	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	nts	vagus major 30° to	al al	30°:	:- Lel :- Me :- Me of Je	L,A, L o, CL,I CL	cL. nly Acl	PCL -,PCL ly.	eral	& cru	Fig. 13.4	in leading the ii	gaments of the ko	nee. A Coluterz	al Igaments. 8	B B Cruciate (igaments.		
Special test Collatera  . Ach:: Ant.: . Pch:: Post. ( . Uch:: Media . Lch:: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	nts	vagus major 30° to	al al	30°:	:- Lel :- Me :- Me of Je	L,A, L o, CL,I CL	cL. nly Acl	PCL -,PCL ly.	eral	& cru	Fig. 13.4	in leading the ii	gaments of the ko	nee. A Coluterz	al Igaments. 8	B Cruciate Signments.		
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Special test Collatera  . Ach:: Ant.: . Pch:: Post. ( . Uch:: Media . Lch:: Latera	al Ligamel Craciate Lig. Cruciate Lig. al collateral. al allateral.	nts	vagus major 30° to	al al	30°:	:- Lel :- Me :- Me of Je	L,A, L o, CL,I CL	cL. nly Acl	PCL -,PCL ly.	eral	& cru	Fig. 13.4	in leading the ii	gaments of the ko	nee. A Coluterz	al Igaments. 8	B Cruciate Squments.		
Collatera  . AcL:-Ant.  . PcL:-post.  . McL:-Medi  . LcL:-Latera	al Ligamen craciate Lig. cruciate Lig. val collateral.		vagus mejor 30° to	open assess	do d	: Lcl :-Mc : M of Ja	L o CL, CL om ollad	nly Acl on	.,PcL ly. colla	eral					nee. (A) Coltatera	al Igaments. (8)	B Cruciate Sparments.		
. AcL:-Ant PcL:-Post McL:-Medi LcL:-Later	al Ligamen craciate Lig. cruciate Lig. val collateral.		vagus mejor 30° to	open assess	do d	: Lcl :-Mc : M of Ja	L o CL, CL om ollad	nly Acl on	.,PcL ly. colla	eral					nee. A Coluterz	al Igaments. 8	B Cruciate Signments.		
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. AcL:-Ant PcL:-Post.c . McL:-Medi LcL:-Later	craciate Lig. Cruciate Lig. Val collateral. Val collateral.		vagus mejor 30° to	open assess	do d	: Lcl :-Mc : M of Ja	L o CL, CL om ollad	nly Acl on	.,PcL ly. colla	eral					nee. A Collatera	al Igaments. B	B Cruciate ligaments.		
•PcL:-post.c •McL:-Medic •LcL:-Later	cruciate Lig. al colleteral. al colleteral.	->'	mejor 30° to	open assess	dos 36:	:-Ma :- Ma of Ja	cL, l cL oint ollat	Acl	-,PcL ly. • colle	eral					nee. A Collatera	al ligaments. B	B Cruciate ligaments.		
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